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44. (New) The method of claim ~~44~~ wherein the device further comprises a soft-disconnect switch coupling the D+ and D- lines to the processing device, the method further comprising the steps of:

soft-disconnecting from the USB interface; and

soft-connecting to the USB interface.

45. (New) The method of claim 44 further comprising the steps of:

computing a maximum value for a power allotment request for the purpose of charging;

soft-connecting to send the power allotment request via the USB interface; and

if the power allotment request is not granted, soft-disconnecting, decreasing the power allotment request and repeating the previous step until the request is granted.

46. (New) The method of claim 43 further comprising the steps of:

detecting the presence of a host or hub via the USB interface;

receiving a charge configuration from the host or hub; and

signaling the charge configuration to the charging subsystem.

47. (New) The method of claim 46 further comprising the step of signaling a charge status to the host or hub via the USB interface.

48. (New) A method of charging a mobile communication device having a rechargeable battery and a charging subsystem, the mobile communication device connected via a unified data and power bus to a host system, the method comprising the steps of:

obtaining a charge configuration from the unified bus;

applying the charge configuration to the charging subsystem;

requesting a power allotment from the USB host device, the power allotment controlling a maximum amount of power that the charging subsystem can draw from the USB host device;

determining if the power allotment received from the USB host device is less than a requested value, and if the power allotment is less than the requested value then resetting a USB connection between the mobile communication device and the USB host device in order to receive a new power allotment from the USB host device;

and charging the rechargeable battery using power derived from the unified bus.

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49. (New) The method of claim 21, wherein the unified bus is a Universal Serial Bus (USB), the method further comprising before obtaining a charge configuration, the steps of:

entering the USB attached state;

entering the USB powered state;

entering the USB default state;

entering the USB addressed state; and